

# PROPOSED REGULATION ORDER

## EMERGENCY AMENDMENTS RELAXING THE REID VAPOR PRESSURE STANDARD FOR CALIFORNIA REFORMULATED GASOLINE IN SEPTEMBER AND OCTOBER 2005

**Note:** The proposed amendments are shown in underline to indicate additions and strikeout to indicate deletions compared to the preexisting regulatory text.

### **Section 2262. The California Reformulated Gasoline Phase 2 and Phase 3 Standards.**

The CaRFG Phase 2 and CaRFG Phase 3 standards are set forth in the following table. For all properties but Reid vapor pressure (cap limit only) and oxygen content, the value of the regulated property must be less than or equal to the specified limit. With respect to the Reid vapor pressure cap limit and the oxygen content flat and cap limit, the limits are expressed as a range, and the Reid vapor pressure and oxygen content must be less than or equal to the upper limit, and more than or equal to the lower limit. A qualifying small refiner may comply with the small refiner CaRFG Phase 3 standards, in place of the CaRFG Phase 3 standards in this section, in accordance with section 2272.

## The California Reformulated Gasoline Phase 2 and Phase 3 Standards

<i>Property</i>	<i>Flat Limits</i>		<i>Averaging Limits</i>		<i>Cap Limits</i>	
	<i>CaRFG Phase 2</i>	<i>CaRFG Phase 3</i>	<i>CaRFG Phase 2</i>	<i>CaRFG Phase 3</i>	<i>CaRFG Phase 2</i>	<i>CaRFG Phase 3</i>
Reid Vapor Pressure <sup>1</sup> (pounds per square inch)	7.00	7.00 or 6.90 <sup>2</sup>	Not Applicable	Not Applicable	7.00 <sup>3</sup>	6.40 - 7.20
Sulfur Content (parts per million by weight)	40	20	30	15	80	60 <sup>4</sup> 30 <sup>4</sup>
Benzene Content (percent by volume)	1.00	0.80	0.80	0.70	1.20	1.10
Aromatics Content (percent by volume)	25.0	25.0	22.0	22.0	30.0 <sup>3</sup>	35.0
Olefins Content (percent by volume)	6.0	6.0	4.0	4.0	10.0	10.0
T50 (degrees Fahrenheit)	210	213	200	203	220	220
T90 (degrees Fahrenheit)	300	305	290 <sup>5</sup>	295	330	330
Oxygen Content (percent by weight)	1.8 - 2.2	1.8 - 2.2	Not Applicable	Not Applicable	1.8 <sup>6</sup> - 3.5 0 <sup>6</sup> - 3.5	1.8 <sup>6</sup> -3.5 <sup>7</sup> 0 <sup>6</sup> - 3.5 <sup>7</sup>
Methyl tertiary-butyl ether (MTBE) and oxygenates other than ethanol	Not Applicable	Prohibited as provided in § 2262.6	Not Applicable	Not Applicable	Not Applicable	Prohibited as provided in § 2262.6

<sup>1</sup> The Reid vapor pressure (RVP) standards apply only during the warmer weather months identified in section 2262.4. During the September-October 2005 hurricane Katrina RVP relaxation periods identified in sections 2262.4(a)(2)(F) and 2262.4(b)(2)(F), the CaRFG Phase 3 flat and cap maximum RVP limits are 9.00 psi.

<sup>2</sup> The 6.90 pounds per square inch (psi) flat limit applies only when a producer or importer is using the evaporative emissions model element of the CaRFG Phase 3 Predictive Model, in which case all predictions for evaporative emissions increases or decreases made using the evaporative emissions model are made relative to 6.90 psi and the gasoline may not exceed the maximum RVP cap limit of 7.20 psi. Where the evaporative emissions model element of the CaRFG Phase 3 Predictive Model is not used, the RVP of gasoline sold or supplied from the production or import facility may not exceed 7.00 psi. During the September-October 2005 hurricane Katrina RVP relaxation periods identified in sections 2262.4(a)(2)(F) and 2262.4(b)(2)(F), the flat limit of 9.00 psi may be used by a producer or importer using the evaporative emissions model element, in which case all predictions for evaporative emissions are to be made relative to 9.0 psi.

- 3 For sales, supplies, or offers of California gasoline downstream of the production or import facility  
starting on the date on which early compliance with the CaRFG Phase 3 standards is permitted by the  
executive officer under section 2261(b)(3), the CaRFG Phase 2 cap limits for Reid vapor pressure and  
aromatics content shall be 7.20 psi and 35.0 percent by volume respectively.
- 4 The CaRFG Phase 3 sulfur content cap limits of 60 and 30 parts per million are phased in starting  
December 31, 2003, and December 31, 2005, respectively, in accordance with section 2261(b)(1)(A).
- 5 Designated alternative limit may not exceed 310.
- 6 The 1.8 percent by weight minimum oxygen content cap only applies during specified winter months  
in the areas identified in section 2262.5(a).
- 7 If the gasoline contains more than 3.5 percent by weight oxygen from ethanol but no more than 10.0  
volume percent ethanol, the maximum oxygen content cap is 3.7 percent by weight.

NOTE: Authority cited: sections 39600, 39601, 43013, 43013.1, 43018, 43101, and 43830, Health and Safety Code; and *Western Oil and Gas Ass'n. v. Orange County Air Pollution Control District*, 14 Cal.3d 411, 121 Cal.Rptr. 249 (1975). Reference: sections 39000, 39001, 39002, 39003, 39010, 39500, 39515, 39516, 41511, 43000, 43013, 43013.1, 43016, 43018, 43101, 43830, and 43830.8, Health and Safety Code; and *Western Oil and Gas Ass'n. v. Orange County Air Pollution Control District*, 14 Cal.3d 411, 121 Cal.Rptr. 249 (1975).

#### **Section 2262.4. Compliance With the CaRFG Phase 2 and CaRFG Phase 3 Standards for Reid Vapor Pressure.**

##### **(a) *Compliance with the cap limits for Reid vapor pressure.***

- (1) No person shall sell, offer for sale, supply, offer for supply, or transport California gasoline which exceeds the applicable cap limit for Reid vapor pressure within each of the air basins during the regulatory period set forth in section (a)(2).

##### **(2) *Regulatory Control Periods.***

###### **(A) *April 1 through October 31 (May 1 through October 31 in 2003 and 2004):***

South Coast Air Basin and Ventura County  
San Diego Air Basin  
Mojave Desert Air Basin  
Salton Sea Air Basin

###### **(B) *May 1 through September 30:***

Great Basin Valley Air Basin

###### **(C) *May 1 through October 31:***

San Francisco Bay Area Air Basin  
San Joaquin Valley Air Basin  
Sacramento Valley Air Basin  
Mountain Counties Air Basin  
Lake Tahoe Air Basin

(D) *June 1 through September 30:*

North Coast Air Basin  
Lake County Air Basin  
Northeast Plateau Air Basin

(E) *June 1 through October 31:*

North Central Coast Air Basin  
South Central Coast Air Basin (Excluding Ventura County)

(F) *September-October 2005 hurricane Katrina RVP relaxation period.* For each air basin, the September-October 2005 hurricane Katrina RVP relaxation the regulatory control period runs from [insert effective date of amendments] through the end of the control period for the air basin as set forth in sections 2262.4(a)(2)(A)-(E).

**(b) *Compliance by producers and importers with the flat limit for Reid vapor pressure.***

**(1) *Reid vapor pressure standard for producers and importers.***

(A) In an air basin during the regulatory control periods specified in section (b)(2), no producer or importer shall sell, offer for sale, supply, or offer for supply from its production facility or import facility California gasoline which has a Reid vapor pressure exceeding the applicable flat limit set forth in section 2262 unless the gasoline has been reported as a PM alternative gasoline formulation pursuant to section 2265(a) using the evaporative emissions model element of the CaRFG Phase 3 Predictive Model.

(B) In an air basin during the regulatory control periods specified in section (b)(2), no producer or importer shall sell, offer for sale, supply, or offer for supply from its production facility or import facility California gasoline which has been reported as a PM alternative gasoline formulation pursuant to section 2265(a) using the evaporative emissions model element of the CaRFG Phase 3 Predictive Model if the gasoline has a Reid vapor pressure exceeding the PM flat limit for Reid vapor pressure in the identified PM alternative specifications.

**(2) *Regulatory control periods for production and import facilities.***

(A) 1. *March 1 through October 31 (Except as otherwise provided in (A)2. and (A)3. below):*

South Coast Air Basin and Ventura County  
San Diego Air Basin  
Mojave Desert Air Basin  
Salton Sea Air Basin

2. In the areas identified in section 2262.4(b)(2)(A)1., California gasoline that is supplied March 1 through March 31, 2003 from a production or import

facility that is qualified under this subsection is not subject to the prohibitions of section 2262.4(b)(1), as long as the gasoline either is designated as subject to the CaRFG Phase 3 standards, or is subject to the CaRFG Phase 2 standards and also meets the prohibitions in sections 2262.6(a)(1) and 2262.6(c) regarding the use of oxygenates. In order for a production or import facility to be qualified, the producer or importer must notify the Executive Officer in writing by February 14, 2003 that it has elected to have the facility be subject to this subsection during March 2003.

3. In the areas identified in section 2262.4(b)(2)(A)1., California gasoline that is supplied March 1 through March 31, 2004 from a production or import facility that was not qualified under section 2262.4(b)(2)(A)2. is not subject to the prohibitions of section 2262.4(b)(1).

(B) *April 1 through September 30:*  
Great Basin Valley Air Basin

(C) *April 1 through October 31:*  
San Francisco Bay Area Air Basin  
San Joaquin Valley Air Basin  
Sacramento Valley Air Basin  
Mountain Counties Air Basin  
Lake Tahoe Air Basin

(D) *May 1 through September 30:*  
North Coast Air Basin  
Lake County Air Basin  
Northeast Plateau Air Basin

(E) *May 1 through October 31:*  
North Central Coast Air Basin  
South Central Coast Air Basin (Excluding Ventura County)

(F) *September-October 2005 hurricane Katrina RVP relaxation period. For each air basin, the September-October 2005 hurricane Katrina RVP relaxation period runs from [insert effective date of amendments] through the end of the control period for the air basin as set forth in sections 2262.4(b)(2)(A)-(E).*

**(c) *Applicability.***

- (1) Section (a)(1) shall not apply to a transaction occurring in an air basin during a regulatory control period in section (a)(2) where the person selling, supplying, or offering the gasoline demonstrates as an affirmative defense that, prior to the transaction, he or she has taken reasonably prudent precautions to assure that the gasoline will be delivered to a retail service station or bulk purchaser-consumer's

fueling facility when the station or facility is not subject to a regulatory control period in section (a)(2).

- (2) Section (b) shall not apply to a transaction occurring in an air basin during the applicable regulatory control period for producers and importers where the person selling, supplying, offering or transporting the gasoline demonstrates as an affirmative defense that, prior to the transaction, he or she has taken reasonably prudent precautions to assure that the gasoline will be delivered to a retail service station or bulk purchaser-consumer's fueling facility located in an air basin not then subject to the regulatory control period for producers and importers set forth in section (b)(2).
- (3) Section (a)(1) shall not apply to a transaction occurring in an air basin during the regulatory control period where the transaction involves the transfer of gasoline from a stationary storage tank to a motor vehicle fuel tank and the person selling, supplying, or offering the gasoline demonstrates as an affirmative defense that the last delivery of gasoline to the stationary storage tank occurred more than fourteen days before the start of the regulatory control period.
- (4) Gasoline that is produced in California, and is then transported to the South Coast Air Basin, Ventura County, or the San Diego Air Basin by marine vessel, shall be subject to the regulatory control periods for production and import facilities identified in section 2262.4(b)(2)(A).

NOTE: Authority cited: sections 39600, 39601, 43013, 43013.1, 43018, and 43101, Health and Safety Code; and *Western Oil and Gas Ass'n. v. Orange County Air Pollution Control District*, 14 Cal.3d 411, 121 Cal.Rptr. 249 (1975). Reference: sections 39000, 39001, 39002, 39003, 39010, 39500, 39515, 39516, 41511, 43000, 43013, 43013.1, 43016, 43018, 43101, 43830, and 43830.8, Health and Safety Code; and *Western Oil and Gas Ass'n. v. Orange County Air Pollution Control District*, 14 Cal.3d 411, 121 Cal.Rptr. 249 (1975).